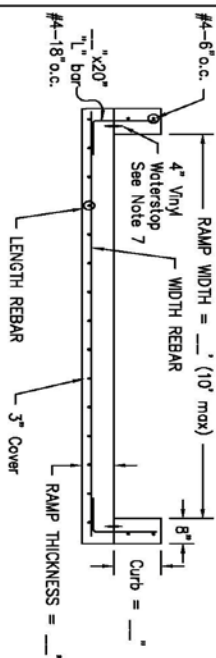


SECTION A-A



ADDITIONAL NOTES

1. PROVIDE SAFETY GUARD ACROSS END OF PUSHOFF
2. PUSHOFF SLOPE OF 1/8" PER FOOT towards/away STRUCTURE
3. SEE SPEC. 313 FOR MATERIALS SPECIFICATIONS
4. SEE PLAN VIEW FOR LOCATION
5. EXTEND PUSHOFF BEYOND SUPPORT WALL ____" (18" MAX)
6. IF UNDISTURBED SOIL HAS HIGH CONSOLIDATION POTENTIAL, INSTALL FOOTING, AS PER THE ENGINEER
7. IF ONE CONCRETE PLACEMENT, DELETE WATERSTOP

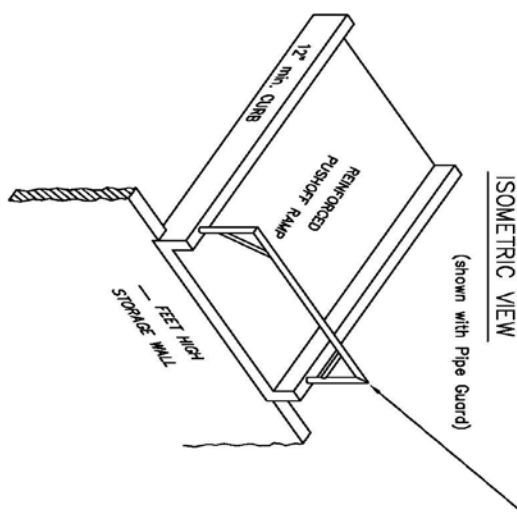


TABLE I
PUSHOFF DETAILS
TRACTOR/TANKER LOADS (2-5,000 lb wheel loads 4' o.c.)

RAMP SPAN (ft)	RAMP LENGTH Minimum (ft)	RAMP THICKNESS (in)	LENGTH REBAR	WIDTH REBAR
6	8	5	#5 @ 8.5" o.c.	#3 @ 12" o.c.
8	10	6	#5 @ 9.5" o.c.	#3 @ 10" o.c.
10	12	6	#5 @ 7" o.c.	#3 @ 10" o.c.
12	14	8	#5 @ 9" o.c.	#4 @ 12" o.c.
14	16	8	#5 @ 7" o.c.	#4 @ 12" o.c.
16	18	10	#5 @ 7" o.c.	#4 @ 12" o.c.

TABLE 2 PUSH-OFF DETAILS
LIGHT LOADS (150 psf)

RAMP SPAN (ft)	RAMP LENGTH Minimum (ft)	RAMP THICKNESS (in)	LENGTH REBAR	WIDTH REBAR
6	8	5	#4 @ 5" o.c.	#3 @ 15" o.c.
8	10	5	#4 @ 5" o.c.	#3 @ 12" o.c.
10	12	5	#4 @ 5" o.c.	#3 @ 12" o.c.
12	14	6	#5 @ 7" o.c.	#3 @ 10" o.c.
14	16	6	#5 @ 5" o.c.	#3 @ 10" o.c.
16	18	6	#6 @ 5" o.c.	#3 @ 10" o.c.

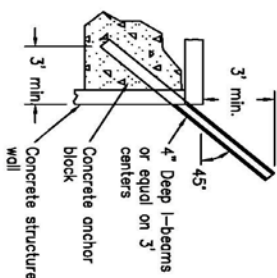
ISOMETRIC VIEW

PUSH-OFF SAFETY GUARD
DETAILS

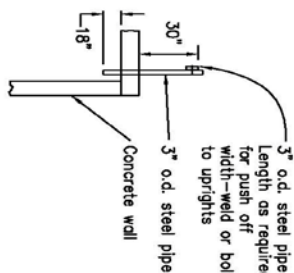
NOTE:

1. These safety guards are intended to deter accidental entry when scoping measure and not prevent it. Additional fencing is required to prevent livestock and human entry.
2. Other comparable safety guards may be used, if approved by the engineer.

1-BEAM GUARD



PIPE GUARD



____ COUNTY, PENNSYLVANIA
PUSHOFF RAMP

Designed <u>MYPS-SG</u>	Date _____
Drawn <u>WAC</u>	<u>5/23/98</u>
Checked _____	_____
Approved by _____	_____

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